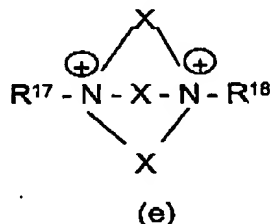
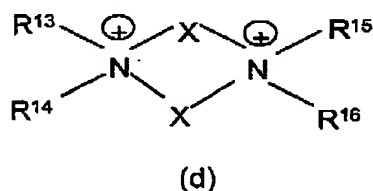
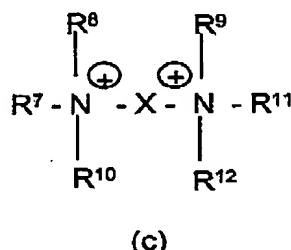
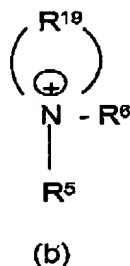
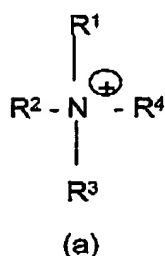


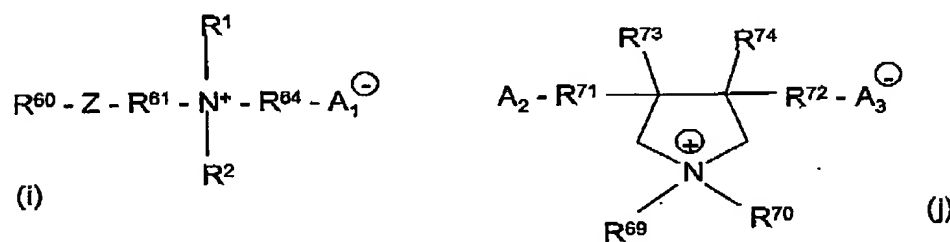
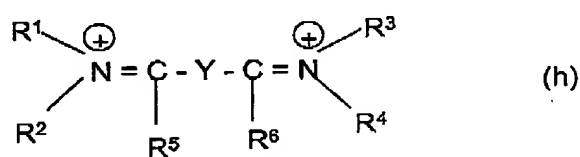
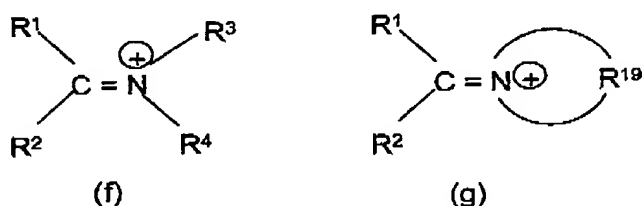
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# AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of imparting, controlling or improving the charge of an electrophotographic toner or developer, or an electret material, comprising the step of adding as a charge control agent, wherein the charge control agent is a structured silicate salt, wherein the cation is a low molecular weight, nonpolymeric ~~organic cation~~ ammonium ion or a combination of a low molecular weight, nonpolymeric ~~organic cation~~ ammonium ion with  $\text{NH}_4^+$ ,  $\text{H}_3\text{O}^+$ , an alkali metal, an alkaline earth metal, an earth metal or with a transition metal and the anion is an island, cyclic, group, chain, ribbon, laminar or matrix silicate or a combination thereof to a binder of an electrophotographic toner or developer or of an electret material, wherein the low molecular weight, nonpolymeric ammonium ion is of the formula (a) - (i)



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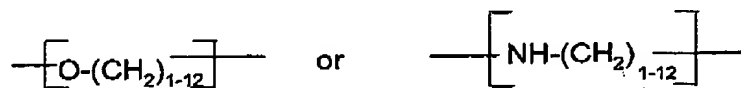


In which

R<sup>1</sup> to R<sup>18</sup> are identical or different and represent hydrogen, CN, (CH<sub>2</sub>)<sub>1-18</sub> CN, halogen, branched or unbranched C<sub>1</sub>-C<sub>32</sub>-alkyl, mono- or polyunsaturated C<sub>2</sub>-C<sub>32</sub>-alkenyl, C<sub>1</sub>-C<sub>22</sub>-alkoxy, C<sub>1</sub>-C<sub>22</sub>-hydroxyalkyl, C<sub>1</sub>-C<sub>22</sub>-halogenoalkyl, C<sub>2</sub>-C<sub>22</sub>-halogenoalkenyl, C<sub>1</sub>-C<sub>22</sub>-aminoalkyl, (C<sub>1</sub>-C<sub>12</sub>)-trialkyl-ammonium-(C<sub>1</sub>-C<sub>22</sub>)-alkyl, (C<sub>1</sub>-C<sub>22</sub>)-alkylene-(C=O)O-(C<sub>1</sub>-C<sub>32</sub>)-alkyl, (C<sub>1</sub>-C<sub>22</sub>)-alkylene-(C=O)O-aryl, (C<sub>1</sub>-C<sub>22</sub>)-alkylene-(C=O)NH-(C<sub>1</sub>-C<sub>32</sub>)-alkyl, (C<sub>1</sub>-C<sub>22</sub>)-alkylene-(C=O)NH-aryl, (C<sub>1</sub>-C<sub>22</sub>)-alkylene-O(CO)-(C<sub>1</sub>-C<sub>32</sub>)-alkyl, (C<sub>1</sub>-C<sub>22</sub>)-alkylene-O(CO)-aryl, (C<sub>1</sub>-C<sub>22</sub>)-alkylene-NH(C=O)-(C<sub>1</sub>-C<sub>32</sub>)-alkyl, or (C<sub>1</sub>-C<sub>22</sub>)-alkylene-NHCO-aryl.

wherein

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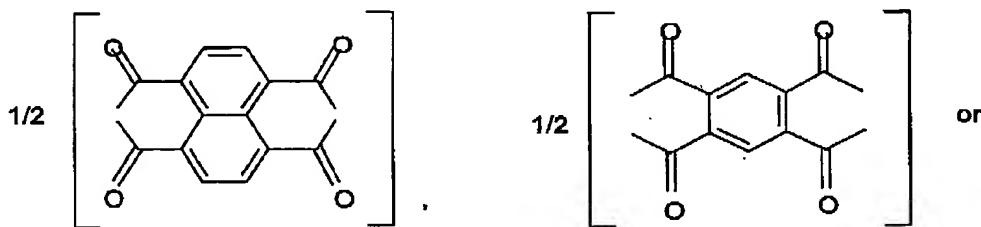
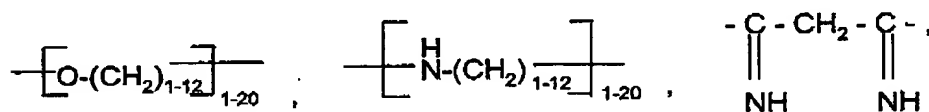


are optionally inserted into the acid ester or acid amide bonds:

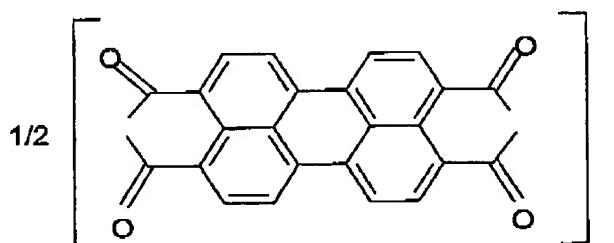
$[(\text{C}_1\text{--C}_{12})\text{-alkylene-O-}]_n\text{H}$ ; aryl,  $(\text{C}_1\text{--C}_{18})\text{-alkylenearyl}$ ;  $-(\text{O-SiR}'_2)\text{-O-SiR}'_3$ , in which  $\text{R}'$  has the meaning  $\text{C}_1\text{--C}_{12}\text{-alkyl}$ , phenyl, benzyl or  $\text{C}_1\text{--C}_{12}\text{-alkoxy}$ ; heterocyclyl, or  $\text{C}_1\text{--C}_{18}\text{-alkylene-heterocyclyl}$ , wherein the aryl and heterocyclyl radicals are optionally mono- or polysubstituted on carbon atoms or heteroatoms by  $\text{C}_1\text{--C}_{12}\text{-alkyl}$ ,  $\text{C}_1\text{--C}_2\text{-alkenyl}$ ,  $\text{C}_1\text{--C}_4\text{-alkoxy}$ , hydroxy- $(\text{C}_1\text{--C}_2)\text{alkyl}$ , amino- $(\text{C}_1\text{--C}_4)\text{alkyl}$ ,  $\text{C}_1\text{--C}_4\text{-alkylimino}$ , carboxyl, hydroxyl, amino, nitro, cyano, halogen,  $\text{C}_1\text{--C}_{12}\text{-acyl}$ ,  $\text{C}_1\text{--C}_4\text{-halogenoalkyl}$ ,  $\text{C}_1\text{--C}_4\text{-alkylcarbonyl}$ ,  $\text{C}_1\text{--C}_4\text{-alkylcarbonyloxy}$ ,  $\text{C}_1\text{--C}_4\text{-alkoxycarbonyl}$ ,  $\text{C}_1\text{--C}_4\text{-alkylaminocarbonyl}$ ,  $\text{C}_1\text{--C}_4\text{-alkylcarbonylimino}$ ,  $\text{C}_5\text{--C}_{10}\text{-arylcarbonyl}$ , aminocarbonyl, aminosulfonyl,  $\text{C}_1\text{--C}_4\text{-alkylaminosulfonyl}$ , phenyl, naphthyl, or heteroaryl;

$\text{R}^{19}$  represents  $\text{C}_2\text{--C}_{11}\text{-alkylene}$ ,  $-(\text{C}_2\text{H}_4\text{-O})_{1-17}\text{---}(\text{CH}_2)_{1-2}\text{---}$  or  $-(\text{C}_2\text{H}_4\text{-NR})_{1-17}\text{---}(\text{CH}_2)_{1-2}\text{---}$  in which  $\text{R}$  is hydrogen or  $\text{C}_1\text{--C}_{12}\text{-alkyl}$ ;

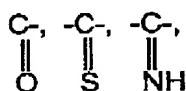
$\text{X}$  has the meaning of  $\text{Y}$ , or  $-\text{CO-CH}_2\text{-CO-}$ ,



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Y has the meaning



-(CH<sub>2</sub>)<sub>1-18</sub>-



or o-, p-, m-(C<sub>8</sub>-C<sub>14</sub>)-arylene or (C<sub>4</sub>-C<sub>14</sub>)-heteroarylene with 1, 2, 3 or 4 heteroatoms selected from the group consisting of N, O, S and a combination thereof;

R<sup>60</sup> represents C<sub>1</sub>-C<sub>32</sub>-acyl, C<sub>1</sub>-C<sub>22</sub>-alkyl, C<sub>2</sub>-C<sub>22</sub>-alkenyl, C<sub>1</sub>-C<sub>18</sub>-alkylene-C<sub>8</sub>-C<sub>10</sub>-aryl, C<sub>1</sub>-C<sub>22</sub>-alkylene-heterocyclyl, C<sub>8</sub>-C<sub>10</sub>-aryl or (C<sub>5</sub>-C<sub>14</sub>)-heteroaryl with 1, 2, 3 or 4 heteroatoms selected from the group consisting of N, O, S, and a combination thereof;

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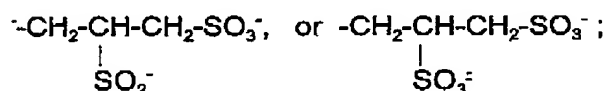
$R^{61}$  and  $R^{64}$  represent  $-(CH_2)_{1-18}$ ,  $C_1-C_{12}$ -alkylene- $C_6-C_{10}$ -arylene,  $C_6-C_{10}$ -arylene, or  $C_6-C_{12}$ -alkylene-heterocyclyl;

Z represents -NH- or -O-;

$A_1$  and  $A_3$  represent  $-COO^-$ ,  $-SO_3^-$ ,  $-OSO_3^-$ ,  $-SO_2^-$ ,  $-COS^-$  or  $-CS_2^-$ ;

$A_2$  represents  $-SO_2Na$ ,  $-SO_3Na$ ,  $-SO_2H$ ,  $-SO_3H$  or hydrogen;

$R^{66}$  and  $R^{70}$  independently of one another represent hydrogen,  $C_1-C_{22}$ -alkyl, in which the alkyl chain optionally contain one or more of the groups selected from the group consisting of -NH-CO-, -CO-NH-, -CO-O-, and -O-CO-;  $C_1-C_{18}$ -alkylene-aryl,  $C_6-C_{18}$ -alkylene-heterocyclyl,  $C_1-C_{18}$ -hydroxyalkyl,  $C_1-C_{18}$ -halogenoalkyl, aryl,  $-(CH_2)_3-SO_3^-$ ,



$R^{71}$  and  $R^{72}$  represent  $-(CH_2)_{1-12}$ ; and

$R^{73}$  and  $R^{74}$  represent hydrogen or  $C_1-C_{22}$ -alkyl

2) (Cancelled)

3) (Cancelled)

4) (Withdrawn) The method as claimed in claim 1, wherein the low molecular weight organic cation is a substituted, phosphonium, thionium or triphenylcarbonium ion or a cationic metal complex.

5) (Cancelled)

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6) (Currently Amended) The method as claimed in claim 5<sub>1</sub>, wherein R<sup>1</sup> to R<sup>18</sup> denote hydrogen CN, CH<sub>2</sub>-CN, CF<sub>3</sub>, C<sub>1</sub>-C<sub>22</sub>-alkyl, C<sub>2</sub>-C<sub>18</sub>-alkenyl, C<sub>1</sub>-C<sub>18</sub>-alkoxy, C<sub>1</sub>-C<sub>18</sub>-hydroxy-alkyl, C<sub>1</sub>-C<sub>18</sub>-halogenoalkyl, C<sub>2</sub>-C<sub>18</sub>-halogenoalkenyl, C<sub>1</sub>-C<sub>18</sub>-aminoalkyl, (C<sub>1</sub>-C<sub>8</sub>)-trialkylammonium-(C<sub>1</sub>-C<sub>18</sub>)-alkyl, (C<sub>1</sub>-C<sub>18</sub>)-alkylene-O(C=O)-(C<sub>1</sub>-C<sub>22</sub>)-alkyl, (C<sub>1</sub>-C<sub>18</sub>)-alkylene-O(C=O)-phenyl, (C<sub>1</sub>-C<sub>18</sub>)-alkylene-NHCO-(C<sub>1</sub>-C<sub>22</sub>)-alkyl, (C<sub>1</sub>-C<sub>18</sub>)-alkylene-NHCO-phenyl, (C<sub>1</sub>-C<sub>18</sub>)-alkylene-(C=O)O-(C<sub>1</sub>-C<sub>22</sub>)-alkyl, (C<sub>1</sub>-C<sub>18</sub>)-alkylene-(C=O)O-phenyl, (C<sub>1</sub>-C<sub>18</sub>)-alkylene-(C=O)NH-(C<sub>1</sub>-C<sub>22</sub>)-alkyl, (C<sub>1</sub>-C<sub>18</sub>)-alkylene-CONH-phenyl, benzyl, phenyl, naphthyl, C<sub>1</sub>-C<sub>12</sub>-alkylene-heterocyclyl;  
R<sup>19</sup> denotes C<sub>4</sub>-C<sub>5</sub>-alkylene, -(C<sub>2</sub>H<sub>4</sub>-O)<sub>1-9</sub>-(CH<sub>2</sub>)<sub>1-2</sub>- or -(C<sub>2</sub>H<sub>4</sub>-NH)<sub>1-9</sub>-(CH<sub>2</sub>)<sub>1-2</sub>-;  
R<sup>60</sup> denotes C<sub>1</sub>-C<sub>18</sub>-acyl, C<sub>1</sub>-C<sub>18</sub>-alkyl, C<sub>2</sub>-C<sub>18</sub>-alkenyl, C<sub>1</sub>-C<sub>12</sub>-alkylene-phenyl, C<sub>1</sub>-C<sub>18</sub>-alkylene-pyridyl, phenyl or pyridyl;  
R<sup>61</sup> and R<sup>64</sup> denote -(CH<sub>2</sub>)<sub>1-12</sub>-, C<sub>1</sub>-C<sub>8</sub>-alkylene-phenylene, phenylene or C<sub>1</sub>-C<sub>8</sub>-alkylenepyridylene or piperidylene;  
R<sup>71</sup> and R<sup>72</sup> denote -(CH<sub>2</sub>)<sub>1-8</sub> and  
R<sup>73</sup> and R<sup>74</sup> denote hydrogen or (C<sub>1</sub>-C<sub>18</sub>)-alkyl.

7) (Previously Presented) The method as claimed in claim 1, wherein the low molecular weight organic cation is an ammonium ion which is an aliphatic or aromatic 5- to 12-membered heterocyclic radical with 1 to 4 atoms selected from the group consisting of N, O and S, or a combination thereof, belonging to the rings.

8) (Original) The method as claimed in claim 7, wherein the heterocyclic radical is pyridinium, pyridazinium, pyrimidinium, pyrazinium, purinium, tetraazaporphyrinium, piperidinium, morpholinium, tetrazonum, triaza-cyclononanium or tetraaza-cyclododecanium.

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9) (Withdrawn) The method as claimed in claim 4, wherein the cationic metal complex is a metal carboxylate, metal salicylate, metal sulfonate, 1:1 metal-azo complex or a metal dithiocarbamate.

10) (Withdrawn) The method as claimed in claim 9, wherein the metal is selected from the group consisting of Al, Mg, Ca, Sr, Ba, TiO, VO, Cr, V, Ti, Zr, Sc, Mn, Fe, Co, Ni, Cu, Zn and ZrO.

11) through 16) (Cancelled)

17) (Withdrawn) The method as claimed in claim 9, wherein the metal is selected from the group consisting of Al, Mg, Ca, Sr, Ba, TiO, VO, Cr, V, Ti, Zr, Sc, Mn, Fe, Co, Ni, Cu, Zn and ZrO, and the metal complex contains one or more further ligands.

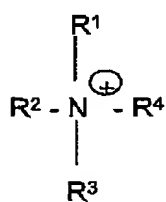
18) through 21) (Cancelled)

22) (Previously Presented) A method of imparting, controlling or improving the charge of an electrophotographic toner or developer, or an electret material comprising the step of adding a charge control agent to a binder of an electrophotographic toner or developer or of an electret material, wherein the charge control agent is distearyltrimethyl ammonium bentonite.

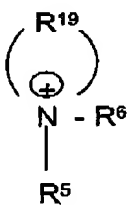
23) (Currently Amended) A method of imparting, controlling or improving the charge of an electrophotographic toner or developer, or an electret material, comprising the step of adding as a charge control agent a structured silicate salt wherein the cation is a low molecular weight ~~organic cation~~, nonpolymeric ammonium ion or a combination of a low molecular weight ~~organic cation~~ nonpolymeric ammonium ion with  $\text{NH}_4^+$ ,  $\text{H}_3\text{O}^+$ , an alkali metal, an alkaline earth metal, an earth metal or with a transition metal and the anion is an island, cyclic, group, chain, ribbon, laminar or

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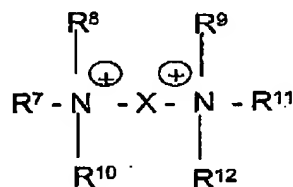
matrix silicate or a combination thereof to a binder of an electrophotographic toner or developer or of an electret material, wherein the charge control agent imparts either a positive or negative charge, wherein the low molecular weight, nonpolymeric ammonium ion is of the formula (a) - (j)



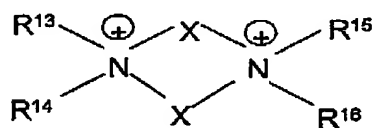
(a)



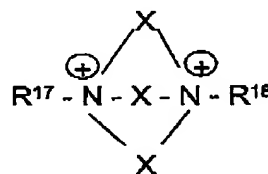
(b)



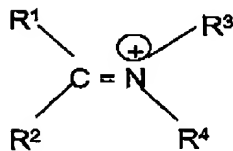
(c)



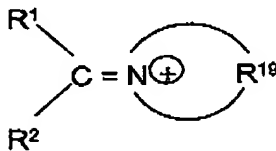
(d)



(e)



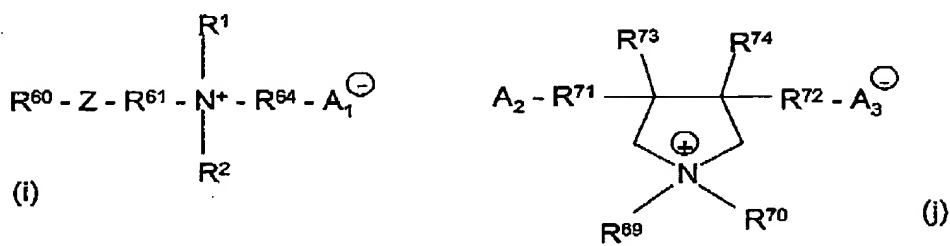
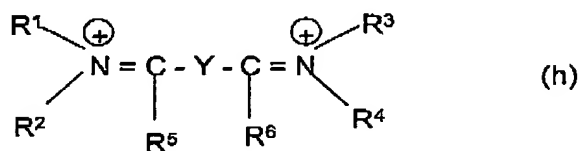
(f)



(g)



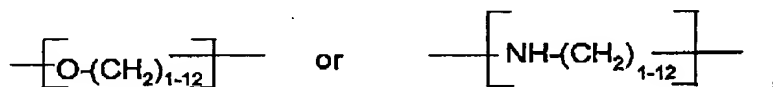
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In which

$\text{R}^1$  to  $\text{R}^{18}$  are identical or different and represent hydrogen, CN,  $(\text{CH}_2)_{1-18}\text{CN}$ , halogen, branched or unbranched  $\text{C}_1\text{-C}_{32}$ -alkyl, mono- or polyunsaturated  $\text{C}_2\text{-C}_{32}$ -alkenyl,  $\text{C}_1\text{-C}_{22}$ -alkoxy,  $\text{C}_1\text{-C}_{22}$ -hydroxyalkyl,  $\text{C}_1\text{-C}_{22}$ -halogenoalkyl,  $\text{C}_2\text{-C}_{22}$ -halogenoalkenyl,  $\text{C}_1\text{-C}_{22}$ -aminoalkyl,  $(\text{C}_1\text{-C}_{12})$ -trialkyl-ammonium- $(\text{C}_1\text{-C}_{22})$ -alkyl,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $(\text{C}=\text{O})\text{O-}(\text{C}_1\text{-C}_{32})$ alkyl,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $(\text{C}=\text{O})\text{O-aryl}$ ,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $(\text{C}=\text{O})\text{NH-}(\text{C}_1\text{-C}_{32})$ alkyl,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $(\text{C}=\text{O})\text{NH-aryl}$ ,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $\text{O}(\text{CO})\text{-}(\text{C}_1\text{-C}_{32})$ alkyl,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $\text{O}(\text{CO})\text{aryl}$ ,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $\text{NH}(\text{C}=\text{O})\text{-}(\text{C}_1\text{-C}_{32})$ alkyl, or  $(\text{C}_1\text{-C}_{22})$ -alkylene- $\text{NHCO-aryl}$ .

wherein



are optionally inserted into the acid ester or acid amide bonds;

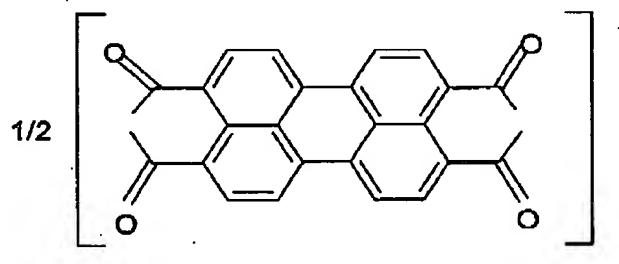
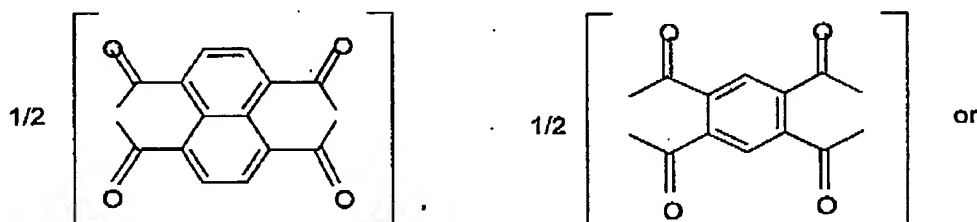
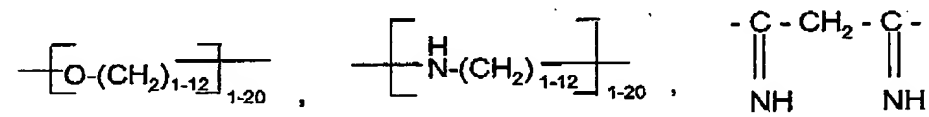
$[(\text{C}_1\text{-C}_{12})\text{-alkylene-O-}]$ -H; aryl,  $(\text{C}_1\text{-C}_{18})$ -alkylenearyl;  $-(\text{O-SiR}'_2)\text{-O-SiR}'_3$ , in which  $\text{R}'$  has the meaning  $\text{C}_1\text{-C}_{12}$ -alkyl, phenyl, benzyl or  $\text{C}_1\text{-C}_{12}$ -alkoxy; heterocyclyl, or  $\text{C}_1\text{-C}_{18}$ -alkylene-heterocyclyl, wherein the aryl and heterocyclyl radicals are optionally

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mono- or polysubstituted on carbon atoms or heteroatoms by C<sub>1</sub>-C<sub>12</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkenyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy, hydroxy-(C<sub>1</sub>-C<sub>4</sub>)alkyl, amino-(C<sub>1</sub>-C<sub>4</sub>)alkyl, C<sub>1</sub>-C<sub>4</sub>-alkylimino, carboxyl, hydroxyl, amino, nitro, cyano, halogen, C<sub>1</sub>-C<sub>12</sub>-acyl, C<sub>1</sub>-C<sub>4</sub>-halogenoalkyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonyloxy, C<sub>1</sub>-C<sub>4</sub>-alkoxycarbonyl, C<sub>1</sub>-C<sub>4</sub>-alkylaminocarbonyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonylimino, C<sub>6</sub>-C<sub>10</sub>-arylcarbonyl, aminocarbonyl, aminosulfonyl, C<sub>1</sub>-C<sub>4</sub>-alkylaminosulfonyl, phenyl, naphthyl, or heteroaryl;

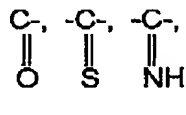
R<sup>19</sup> represents C<sub>2</sub>-C<sub>11</sub>-alkylene, -(C<sub>2</sub>H<sub>4</sub>-O-)<sub>1-17</sub>-(CH<sub>2</sub>)<sub>1-2</sub>- or -(C<sub>2</sub>H<sub>4</sub>-NR-)<sub>1-17</sub>-(CH<sub>2</sub>)<sub>1-2</sub>-, in which R is hydrogen or C<sub>1</sub>-C<sub>12</sub>-alkyl;

X has the meaning of Y, or -CO-CH<sub>2</sub>-CO-,



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Y has the meaning



-(CH<sub>2</sub>)<sub>1-18</sub>-



or o-, p-, m-(C<sub>8</sub>-C<sub>14</sub>)-arylene or (C<sub>4</sub>-C<sub>14</sub>)-heteroarylene with 1, 2, 3 or 4 heteroatoms selected from the group consisting of N, O, S and a combination thereof;

R<sup>60</sup> represents C<sub>1</sub>-C<sub>32</sub>-acyl, C<sub>1</sub>-C<sub>22</sub>-alkyl, C<sub>2</sub>-C<sub>22</sub>-alkenyl, C<sub>1</sub>-C<sub>18</sub>-alkylene-C<sub>8</sub>-C<sub>10</sub>-aryl, C<sub>1</sub>-C<sub>22</sub>-alkylene-heterocyclyl, C<sub>8</sub>-C<sub>10</sub>-aryl or (C<sub>4</sub>-C<sub>14</sub>)-heteroaryl with 1, 2, 3 or 4 heteroatoms selected from the group consisting of N, O, S, and a combination thereof;

R<sup>61</sup> and R<sup>64</sup> represent -(CH<sub>2</sub>)<sub>1-18</sub>-, C<sub>1</sub>-C<sub>12</sub>-alkylene-C<sub>8</sub>-C<sub>10</sub>-arylene, C<sub>8</sub>-C<sub>10</sub>-arylene, or C<sub>0</sub>-C<sub>12</sub>-alkylene-heterocyclyl;

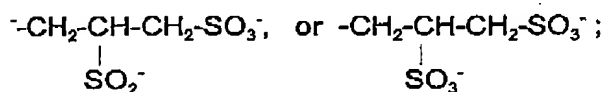
Z represents -NH- or -O-;

A<sub>1</sub><sup>-</sup> and A<sub>3</sub><sup>-</sup> represent -COO<sup>-</sup>, -SO<sub>3</sub><sup>-</sup>, -OSO<sub>3</sub><sup>-</sup>, -SO<sub>2</sub><sup>-</sup>, -COS<sup>-</sup> or -CS<sub>2</sub><sup>-</sup>;

A<sub>2</sub> represents -SO<sub>2</sub>Na, -SO<sub>3</sub>Na, -SO<sub>2</sub>H, -SO<sub>3</sub>H or hydrogen;

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R<sup>69</sup> and R<sup>70</sup> independently of one another represent hydrogen, C<sub>1</sub>-C<sub>32</sub>-alkyl, in which the alkyl chain optionally contain one or more of the groups selected from the group consisting of -NH-CO-, -CO-NH-, -CO-O-, and -O-CO-; C<sub>1</sub>-C<sub>18</sub>-alkylene-aryl, C<sub>6</sub>-C<sub>18</sub>-alkylene-heterocycl, C<sub>1</sub>-C<sub>18</sub>-hydroxyalkyl, C<sub>1</sub>-C<sub>18</sub>-halogenoalkyl, aryl, -(CH<sub>2</sub>)<sub>3</sub>-SO<sub>3</sub><sup>-</sup>,

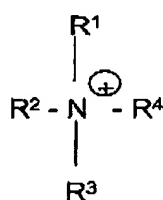


R<sup>71</sup> and R<sup>72</sup> represent -(CH<sub>2</sub>)<sub>1-12</sub>-; and  
R<sup>73</sup> and R<sup>74</sup> represent hydrogen or C<sub>1</sub>-C<sub>22</sub>-alkyl.

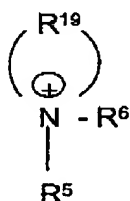
24. (Previously Presented) The method as claimed in claim 7, where 2 to 8 rings are fused.

25. (New) A method of imparting, controlling or improving the charge of an electrophotographic toner or developer, or an electret material, comprising the step of adding as a charge control agent, wherein the charge control agent consists of a structured silicate salt, wherein the cation is a low molecular weight, nonpolymeric ammonium ion or a combination of a low molecular weight, nonpolymeric ammonium ion with NH<sub>4</sub><sup>+</sup>, H<sub>3</sub>O<sup>+</sup>, an alkali metal, an alkaline earth metal, an earth metal or with a transition metal and the anion is an island, cyclic, group, chain, ribbon, laminar or matrix silicate or a combination thereof to a binder of an electrophotographic toner or developer or of an electret material, wherein the low molecular weight, nonpolymeric ammonium ion is of the formula (a) – (j)

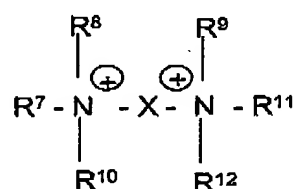
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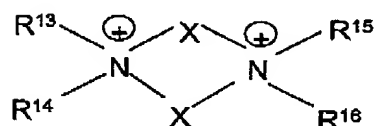
(a)



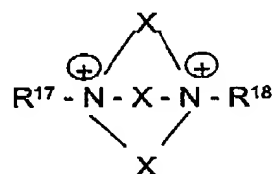
(b)



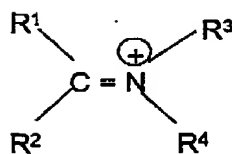
(c)



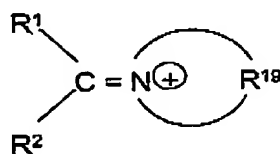
(d)



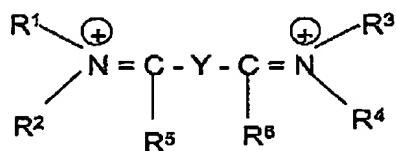
(e)



(f)

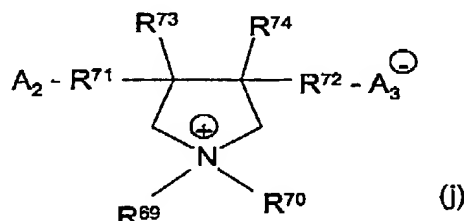
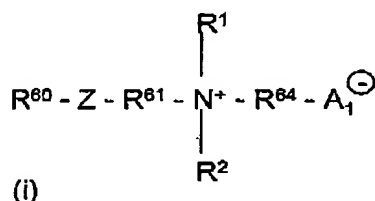


(g)



(h)

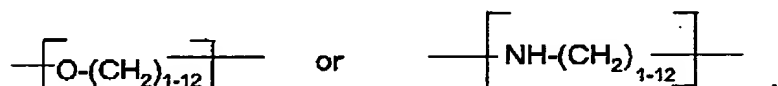
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in which

$\text{R}^1$  to  $\text{R}^{18}$  are identical or different and represent hydrogen, CN,  $(\text{CH}_2)_{1-18}\text{CN}$ , halogen, branched or unbranched  $\text{C}_1\text{-C}_{32}$ -alkyl, mono- or polyunsaturated  $\text{C}_2\text{-C}_{32}$ -alkenyl,  $\text{C}_1\text{-C}_{22}$ -alkoxy,  $\text{C}_1\text{-C}_{22}$ -hydroxyalkyl,  $\text{C}_1\text{-C}_{22}$ -halogenoalkyl,  $\text{C}_2\text{-C}_{22}$ -halogenoalkenyl,  $\text{C}_1\text{-C}_{22}$ -aminoalkyl,  $(\text{C}_1\text{-C}_{12})$ -trialkyl-ammonium- $(\text{C}_1\text{-C}_{22})$ -alkyl;  $(\text{C}_1\text{-C}_{22})$ -alkylene- $(\text{C}=\text{O})\text{O-}(\text{C}_1\text{-C}_{32})$ -alkyl,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $(\text{C}=\text{O})\text{O-aryl}$ ,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $(\text{C}=\text{O})\text{NH-}(\text{C}_1\text{-C}_{32})$ -alkyl,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $(\text{C}=\text{O})\text{NH-aryl}$ ,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $\text{O}(\text{CO})\text{-}(\text{C}_1\text{-C}_{32})$ -alkyl,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $\text{O}(\text{CO})\text{aryl}$ ,  $(\text{C}_1\text{-C}_{22})$ -alkylene- $\text{NH}(\text{C}=\text{O})\text{-}(\text{C}_1\text{-C}_{32})$ -alkyl, or  $(\text{C}_1\text{-C}_{22})$ -alkylene- $\text{NHCO-aryl}$ ,

wherein



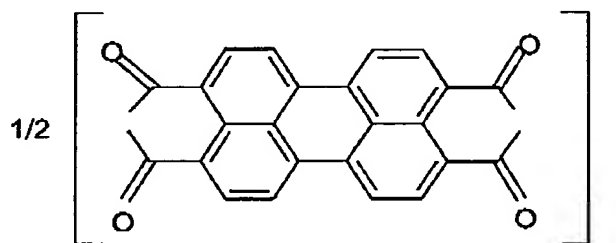
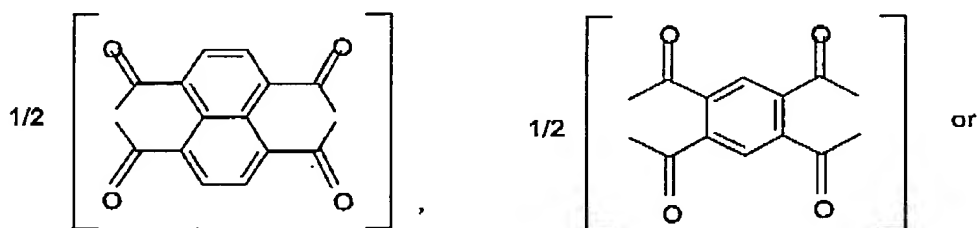
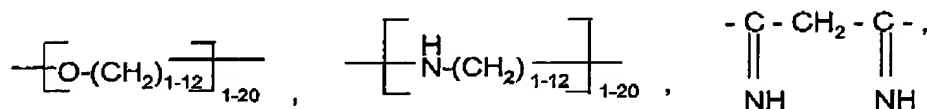
are optionally inserted into the acid ester or acid amide bonds;

$[(\text{C}_1\text{-C}_{12})\text{-alkylene-O-}]\text{-H}$ ; aryl,  $(\text{C}_1\text{-C}_{18})$ -alkylenearyl;  $\text{-(O-SiR}'_2)\text{-O-SiR}'_3$ , in which  $\text{R}'$  has the meaning  $\text{C}_1\text{-C}_{12}$ -alkyl, phenyl, benzyl or  $\text{C}_1\text{-C}_{12}$ -alkoxy; heterocyclyl, or  $\text{C}_1\text{-C}_{18}$ -alkylene-heterocyclyl, wherein the aryl and heterocyclyl radicals are optionally mono- or polysubstituted on carbon atoms or heteroatoms by  $\text{C}_1\text{-C}_{12}$ -alkyl,  $\text{C}_1\text{-C}_4$ -alkenyl,  $\text{C}_1\text{-C}_4$ -alkoxy, hydroxy- $(\text{C}_1\text{-C}_4)$ -alkyl, amino- $(\text{C}_1\text{-C}_4)$ -alkyl,  $\text{C}_1\text{-C}_4$ -alkylimino, carboxyl, hydroxyl, amino, nitro, cyano, halogen,  $\text{C}_1\text{-C}_{12}$ -acyl,  $\text{C}_1\text{-C}_4$ -halogenoalkyl,  $\text{C}_1\text{-C}_4$ -alkylcarbonyl,  $\text{C}_1\text{-C}_4$ -alkylcarbonyloxy,  $\text{C}_1\text{-C}_4$ -alkoxycarbonyl,  $\text{C}_1\text{-C}_4$ -alkylaminocarbonyl,  $\text{C}_1\text{-C}_4$ -alkylcarbonylimino,  $\text{C}_6\text{-C}_{10}$ -arylcarbonyl, aminocarbonyl, aminosulfonyl,  $\text{C}_1\text{-C}_4$ -alkylaminosulfonyl, phenyl, naphthyl, or heteroaryl;

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$R^{19}$  represents  $C_4$ - $C_{11}$ -alkylene,  $-(C_2H_4-O-)_{1-17}-(CH_2)_{1-2}$  or  $-(C_2H_4-NR-)_{1-17}-(CH_2)_{1-2}$ , in which R is hydrogen or  $C_1$ - $C_{12}$ -alkyl;

X has the meaning of Y, or  $-\text{CO}-\text{CH}_2-\text{CO}-$ ,



Y has the meaning  $\begin{array}{c} -\text{C}- \\ \parallel \\ \text{O} \end{array}$ ,  $\begin{array}{c} -\text{C}- \\ \parallel \\ \text{S} \end{array}$ ,  $\begin{array}{c} -\text{C}- \\ \parallel \\ \text{NH} \end{array}$ ,  $-(\text{CH}_2)_{1-18}$ ,

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or o-, p-, m-(C<sub>6</sub>-C<sub>14</sub>)-arylene or (C<sub>4</sub>-C<sub>14</sub>)-heteroarylene with 1, 2, 3 or 4 heteroatoms selected from the group consisting of N, O, S and a combination thereof;

R<sup>60</sup> represents C<sub>1</sub>-C<sub>32</sub>-acyl, C<sub>1</sub>-C<sub>22</sub>-alkyl, C<sub>2</sub>-C<sub>22</sub>-alkenyl, C<sub>1</sub>-C<sub>18</sub>-alkylene-C<sub>6</sub>-C<sub>10</sub>-aryl, C<sub>1</sub>-C<sub>22</sub>-alkylene-heterocyclyl, C<sub>6</sub>-C<sub>10</sub>-aryl or (C<sub>4</sub>-C<sub>14</sub>)-heteroaryl with 1, 2, 3 or 4 heteroatoms selected from the group consisting of N, O, S, and a combination thereof;

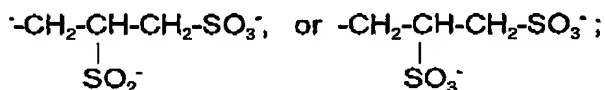
R<sup>61</sup> and R<sup>64</sup> represent -(CH<sub>2</sub>)<sub>1-18</sub>-, C<sub>1</sub>-C<sub>12</sub>-alkylene-C<sub>6</sub>-C<sub>10</sub>-arylene, C<sub>6</sub>-C<sub>10</sub>-arylene, or C<sub>0</sub>-C<sub>12</sub>-alkylene-heterocyclyl;

Z represents -NH- or -O-;

A<sub>1</sub><sup>-</sup> and A<sub>3</sub><sup>-</sup> represent -COO<sup>-</sup>, -SO<sub>3</sub><sup>-</sup>, -OSO<sub>3</sub><sup>-</sup>, -SO<sub>2</sub><sup>-</sup>, -COS<sup>-</sup> or -CS<sub>2</sub><sup>-</sup>;

A<sub>2</sub> represents -SO<sub>2</sub>Na, -SO<sub>3</sub>Na, -SO<sub>2</sub>H, -SO<sub>3</sub>H or hydrogen;

R<sup>69</sup> and R<sup>70</sup> independently of one another represent hydrogen, C<sub>1</sub>-C<sub>32</sub>-alkyl, in which the alkyl chain optionally contain one or more of the groups selected from the group consisting of -NH-CO-, -CO-NH-, -CO-O-, and -O-CO-; C<sub>1</sub>-C<sub>18</sub>-alkylene-aryl, C<sub>0</sub>-C<sub>18</sub>-alkylene-heterocyclyl, C<sub>1</sub>-C<sub>18</sub>-hydroxyalkyl, C<sub>1</sub>-C<sub>18</sub>-halogenoalkyl, aryl, -(CH<sub>2</sub>)<sub>3</sub>-SO<sub>3</sub><sup>-</sup>,





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$R^{71}$  and  $R^{72}$  represent  $-(CH_2)_{1-12}-$ ; and  
 $R^{73}$  and  $R^{74}$  represent hydrogen or  $C_1-C_{22}$ -alkyl.